

Please type a sign (+) inside this box

PTO/SB/05 (08-00)

Approved for use through 10/31/2002. OMB 0651-0032  
 Patent and Trademark Office U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents

1.  Fee Transmittal Form (e.g., PTO/SB/17) (in duplicate)  
*(Submit an original, and a duplicate for fee processing)*

2.  Applicant claims small entity status.  
 See 37 CFR 1.27.

3.  Specification [Total Pages 240]  
*(preferred arrangement set forth below)*

- Descriptive title of the Invention
- Cross Reference to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to sequence listing, a table, or a computer program listing appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (*if filed*)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure

4.  Drawing(s) (35 U.S.C. 113) [Total Sheets 9]

5.  Unexecuted Declaration [Total Pages 2]

- a.  Newly executed (original or copy)  
 b.  Copy from a prior application (37 CFR 1.63(d))  
*(for continuation/divisional with Box 17 completed)*  
 i.  **DELETION OF INVENTOR(S)**  
 Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).

6.  Application Data Sheet. See 37 CFR 1.76. [3 Pages]

17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

See Application Data Sheet     Continuation     Divisional     Continuation-in-Part (CIP)    of prior application No:  
*Prior application information: Examiner \_\_\_\_\_ Group/Art Unit: \_\_\_\_\_*

For CONTINUATION OR DIVISIONAL APPS only. The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference.

**18. CORRESPONDENCE ADDRESS**

Customer Number or Bar Code Label 22195 or  Correspondence address below

|                   |  |          |  |  |
|-------------------|--|----------|--|--|
| NAME              |  |          |  |  |
| ADDRESS           |  |          |  |  |
| CITY              | STATE  | ZIP CODE |  |  |
| COUNTRY           | TELEPHONE  | FAX      |  |  |
| NAME (Print/Type) | <i>Registration No. (Attorney/Agent)</i> 46,903  |          |  |  |
| SIGNATURE         | <i>Janet M. Martineau</i> Date February 11, 2002 |          |  |  |

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

JULY 2002  
U.S. PTO

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PTO/SB/17 (11-00)  
Approved for use through 10/31/2002 OMB 0651-0032  
Patent and Trademark Office U.S. DEPARTMENT OF COMMERCE

# FEE TRANSMITTAL for FY 2002

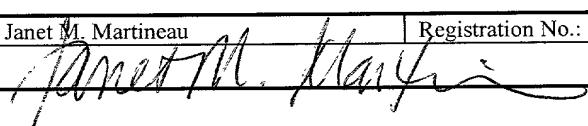
(Substitute form)

Patent fees are subject to annual revision.

Total amount of payment

\$ 878.00

Attorney Docket Number PF513P1

| METHOD OF PAYMENT   |                       | FEE CALCULATION (continued)   |   |          |  |                         |  |          |                       |                       |                 |          |     |     |     |  |  |     |    |     |   |  |     |     |     |                               |  |     |       |     |                                    |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |     |     |  |  |     |    |     |  |  |     |     |     |   |  |     |     |     |  |  |     |     |     |                               |  |     |       |     |  |  |     |       |     |  |  |     |     |     |                         |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |       |     |   |  |     |       |     |  |  |     |     |     |                      |  |     |     |     |  |  |     |     |     |                              |  |     |     |     |                                   |  |     |     |     |   |  |     |       |     |  |  |     |       |     |   |  |     |   |     |   |  |     |    |     |   |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                                    |  |  |  |  |  |                      |  |  |  |  |  |  |  |
|---|-----------------------|---|---|----------|--|-------------------------|--|----------|-----------------------|-----------------------|-----------------|----------|-----|-----|-----|--|--|-----|----|-----|---|--|-----|-----|-----|-------------------------------|--|-----|-------|-----|------------------------------------|--|-----|-----|-----|---|--|-----|-----|-----|---|--|-----|-----|-----|--|--|-----|-----|-----|--|--|-----|----|-----|--|--|-----|-----|-----|---|--|-----|-----|-----|--|--|-----|-----|-----|-------------------------------|--|-----|-------|-----|--|--|-----|-------|-----|--|--|-----|-----|-----|-------------------------|--|-----|-----|-----|---|--|-----|-----|-----|---|--|-----|-----|-----|--|--|-----|-------|-----|---|--|-----|-------|-----|--|--|-----|-----|-----|----------------------|--|-----|-----|-----|--|--|-----|-----|-----|------------------------------|--|-----|-----|-----|-----------------------------------|--|-----|-----|-----|---|--|-----|-------|-----|--|--|-----|-------|-----|---|--|-----|---|-----|---|--|-----|----|-----|---|--|----------------------|--|--|--|--|--|----------------------|--|--|--|--|--|----------------------|--|--|--|--|--|------------------------------------|--|--|--|--|--|----------------------|--|--|--|--|--|--|--|
| 1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:<br><b>Deposit Account Number 08-3425</b><br><b>Deposit Account Name Human Genome Sciences, Inc.</b> |                       | <b>3. ADDITIONAL FEES</b><br><table border="1"> <thead> <tr> <th>Fee Code</th> <th>Large Entity Fee (\$)</th> <th>Small Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>105</td><td>130</td><td>205</td><td>65 Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>127</td><td>50</td><td>227</td><td>25 Surcharge - late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>139</td><td>130</td><td>139</td><td>130 Non-English specification</td><td></td></tr> <tr><td>142</td><td>1,280</td><td>242</td><td>640 Utility issue fee (or reissue)</td><td></td></tr> <tr><td>195</td><td>300</td><td>195</td><td>300 Publication fee for early, voluntary, or normal publication</td><td></td></tr> <tr><td>179</td><td>740</td><td>279</td><td>370 Request for Continued Examination (RCE)</td><td></td></tr> <tr><td>098</td><td>130</td><td>098</td><td>130 Processing fee, except in provisional applications</td><td></td></tr> <tr><td>126</td><td>180</td><td>126</td><td>180 Submission of Information Disclosure Statement</td><td></td></tr> <tr><td>123</td><td>50</td><td>123</td><td>50 Processing fee for provisional applications</td><td></td></tr> <tr><td>146</td><td>740</td><td>246</td><td>370 Filing a submission after final rejection (37 CFR 1.129(a))</td><td></td></tr> <tr><td>149</td><td>740</td><td>249</td><td>370 For each additional invention to be examined (37 CFR 1.129(b))</td><td></td></tr> <tr><td>145</td><td>100</td><td>145</td><td>100 Certificate of correction</td><td></td></tr> <tr><td>147</td><td>2,520</td><td>147</td><td>2,520 Request for ex parte reexamination</td><td></td></tr> <tr><td>099</td><td>8,800</td><td>099</td><td>8,800 Request for inter partes reexamination</td><td></td></tr> <tr><td>148</td><td>110</td><td>248</td><td>55 Statutory disclaimer</td><td></td></tr> <tr><td>115</td><td>110</td><td>215</td><td>55 Extension for reply within first month</td><td></td></tr> <tr><td>116</td><td>400</td><td>216</td><td>200 Extension for reply within second month</td><td></td></tr> <tr><td>117</td><td>920</td><td>217</td><td>460 Extension for reply within third month</td><td></td></tr> <tr><td>118</td><td>1,440</td><td>218</td><td>720 Extension for reply within fourth month</td><td></td></tr> <tr><td>128</td><td>1,960</td><td>228</td><td>980 Extension for reply within fifth month</td><td></td></tr> <tr><td>119</td><td>320</td><td>219</td><td>160 Notice of appeal</td><td></td></tr> <tr><td>120</td><td>320</td><td>220</td><td>160 Filing a brief in support of an appeal</td><td></td></tr> <tr><td>121</td><td>280</td><td>221</td><td>140 Request for oral hearing</td><td></td></tr> <tr><td>122</td><td>130</td><td>122</td><td>130 Petitions to the Commissioner</td><td></td></tr> <tr><td>140</td><td>110</td><td>240</td><td>55 Petition to revive unavoidably abandoned application</td><td></td></tr> <tr><td>141</td><td>1,280</td><td>241</td><td>640 Petition to revive unintentionally abandoned application</td><td></td></tr> <tr><td>091</td><td>1,280</td><td>091</td><td>1,280 Acceptance of an unintentionally delayed claim for priority</td><td></td></tr> <tr><td>561</td><td>3</td><td>561</td><td>3 Printed copy of patent, regular service</td><td></td></tr> <tr><td>581</td><td>40</td><td>481</td><td>40 Recording each patent assignment per property (times number of properties)</td><td></td></tr> <tr><td colspan="6">Other fee (specify):</td></tr> <tr><td colspan="6">Other fee (specify):</td></tr> <tr><td colspan="6">Other fee (specify):</td></tr> <tr> <td colspan="6">* Reduced by Basic Filing Fee Paid</td> <td>SUBTOTAL (3) \$ 0.00</td> </tr> <tr> <td colspan="6">* or number previously paid, if greater. For Reissues, see above</td> <td></td> </tr> </tbody> </table> |   |          |  |                         |  | Fee Code | Large Entity Fee (\$) | Small Entity Fee (\$) | Fee Description | Fee Paid | 105 | 130 | 205 | 65 Surcharge - late filing fee or oath |  | 127 | 50 | 227 | 25 Surcharge - late provisional filing fee or cover sheet |  | 139 | 130 | 139 | 130 Non-English specification |  | 142 | 1,280 | 242 | 640 Utility issue fee (or reissue) |  | 195 | 300 | 195 | 300 Publication fee for early, voluntary, or normal publication |  | 179 | 740 | 279 | 370 Request for Continued Examination (RCE) |  | 098 | 130 | 098 | 130 Processing fee, except in provisional applications |  | 126 | 180 | 126 | 180 Submission of Information Disclosure Statement |  | 123 | 50 | 123 | 50 Processing fee for provisional applications |  | 146 | 740 | 246 | 370 Filing a submission after final rejection (37 CFR 1.129(a)) |  | 149 | 740 | 249 | 370 For each additional invention to be examined (37 CFR 1.129(b)) |  | 145 | 100 | 145 | 100 Certificate of correction |  | 147 | 2,520 | 147 | 2,520 Request for ex parte reexamination |  | 099 | 8,800 | 099 | 8,800 Request for inter partes reexamination |  | 148 | 110 | 248 | 55 Statutory disclaimer |  | 115 | 110 | 215 | 55 Extension for reply within first month |  | 116 | 400 | 216 | 200 Extension for reply within second month |  | 117 | 920 | 217 | 460 Extension for reply within third month |  | 118 | 1,440 | 218 | 720 Extension for reply within fourth month |  | 128 | 1,960 | 228 | 980 Extension for reply within fifth month |  | 119 | 320 | 219 | 160 Notice of appeal |  | 120 | 320 | 220 | 160 Filing a brief in support of an appeal |  | 121 | 280 | 221 | 140 Request for oral hearing |  | 122 | 130 | 122 | 130 Petitions to the Commissioner |  | 140 | 110 | 240 | 55 Petition to revive unavoidably abandoned application |  | 141 | 1,280 | 241 | 640 Petition to revive unintentionally abandoned application |  | 091 | 1,280 | 091 | 1,280 Acceptance of an unintentionally delayed claim for priority |  | 561 | 3 | 561 | 3 Printed copy of patent, regular service |  | 581 | 40 | 481 | 40 Recording each patent assignment per property (times number of properties) |  | Other fee (specify): |  |  |  |  |  | Other fee (specify): |  |  |  |  |  | Other fee (specify): |  |  |  |  |  | * Reduced by Basic Filing Fee Paid |  |  |  |  |  | SUBTOTAL (3) \$ 0.00 | * or number previously paid, if greater. For Reissues, see above |  |  |  |  |  |  |
| Fee Code  | Large Entity Fee (\$) | Small Entity Fee (\$)   | Fee Description   | Fee Paid |  |                         |  |          |                       |                       |                 |          |     |     |     |  |  |     |    |     |   |  |     |     |     |                               |  |     |       |     |                                    |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |     |     |  |  |     |    |     |  |  |     |     |     |   |  |     |     |     |  |  |     |     |     |                               |  |     |       |     |  |  |     |       |     |  |  |     |     |     |                         |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |       |     |   |  |     |       |     |  |  |     |     |     |                      |  |     |     |     |  |  |     |     |     |                              |  |     |     |     |                                   |  |     |     |     |   |  |     |       |     |  |  |     |       |     |   |  |     |   |     |   |  |     |    |     |   |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                                    |  |  |  |  |  |                      |  |  |  |  |  |  |  |
| 105   | 130                   | 205   | 65 Surcharge - late filing fee or oath  |          |  |                         |  |          |                       |                       |                 |          |     |     |     |  |  |     |    |     |   |  |     |     |     |                               |  |     |       |     |                                    |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |     |     |  |  |     |    |     |  |  |     |     |     |   |  |     |     |     |  |  |     |     |     |                               |  |     |       |     |  |  |     |       |     |  |  |     |     |     |                         |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |       |     |   |  |     |       |     |  |  |     |     |     |                      |  |     |     |     |  |  |     |     |     |                              |  |     |     |     |                                   |  |     |     |     |   |  |     |       |     |  |  |     |       |     |   |  |     |   |     |   |  |     |    |     |   |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                                    |  |  |  |  |  |                      |  |  |  |  |  |  |  |
| 127   | 50                    | 227   | 25 Surcharge - late provisional filing fee or cover sheet                     |          |  |                         |  |          |                       |                       |                 |          |     |     |     |  |  |     |    |     |   |  |     |     |     |                               |  |     |       |     |                                    |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |     |     |  |  |     |    |     |  |  |     |     |     |   |  |     |     |     |  |  |     |     |     |                               |  |     |       |     |  |  |     |       |     |  |  |     |     |     |                         |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |       |     |   |  |     |       |     |  |  |     |     |     |                      |  |     |     |     |  |  |     |     |     |                              |  |     |     |     |                                   |  |     |     |     |   |  |     |       |     |  |  |     |       |     |   |  |     |   |     |   |  |     |    |     |   |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                                    |  |  |  |  |  |                      |  |  |  |  |  |  |  |
| 139   | 130                   | 139   | 130 Non-English specification   |          |  |                         |  |          |                       |                       |                 |          |     |     |     |  |  |     |    |     |   |  |     |     |     |                               |  |     |       |     |                                    |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |     |     |  |  |     |    |     |  |  |     |     |     |   |  |     |     |     |  |  |     |     |     |                               |  |     |       |     |  |  |     |       |     |  |  |     |     |     |                         |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |       |     |   |  |     |       |     |  |  |     |     |     |                      |  |     |     |     |  |  |     |     |     |                              |  |     |     |     |                                   |  |     |     |     |   |  |     |       |     |  |  |     |       |     |   |  |     |   |     |   |  |     |    |     |   |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                                    |  |  |  |  |  |                      |  |  |  |  |  |  |  |
| 142   | 1,280                 | 242   | 640 Utility issue fee (or reissue)  |          |  |                         |  |          |                       |                       |                 |          |     |     |     |  |  |     |    |     |   |  |     |     |     |                               |  |     |       |     |                                    |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |     |     |  |  |     |    |     |  |  |     |     |     |   |  |     |     |     |  |  |     |     |     |                               |  |     |       |     |  |  |     |       |     |  |  |     |     |     |                         |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |       |     |   |  |     |       |     |  |  |     |     |     |                      |  |     |     |     |  |  |     |     |     |                              |  |     |     |     |                                   |  |     |     |     |   |  |     |       |     |  |  |     |       |     |   |  |     |   |     |   |  |     |    |     |   |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                                    |  |  |  |  |  |                      |  |  |  |  |  |  |  |
| 195   | 300                   | 195   | 300 Publication fee for early, voluntary, or normal publication               |          |  |                         |  |          |                       |                       |                 |          |     |     |     |  |  |     |    |     |   |  |     |     |     |                               |  |     |       |     |                                    |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |     |     |  |  |     |    |     |  |  |     |     |     |   |  |     |     |     |  |  |     |     |     |                               |  |     |       |     |  |  |     |       |     |  |  |     |     |     |                         |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |       |     |   |  |     |       |     |  |  |     |     |     |                      |  |     |     |     |  |  |     |     |     |                              |  |     |     |     |                                   |  |     |     |     |   |  |     |       |     |  |  |     |       |     |   |  |     |   |     |   |  |     |    |     |   |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                                    |  |  |  |  |  |                      |  |  |  |  |  |  |  |
| 179   | 740                   | 279   | 370 Request for Continued Examination (RCE)                                   |          |  |                         |  |          |                       |                       |                 |          |     |     |     |  |  |     |    |     |   |  |     |     |     |                               |  |     |       |     |                                    |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |     |     |  |  |     |    |     |  |  |     |     |     |   |  |     |     |     |  |  |     |     |     |                               |  |     |       |     |  |  |     |       |     |  |  |     |     |     |                         |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |       |     |   |  |     |       |     |  |  |     |     |     |                      |  |     |     |     |  |  |     |     |     |                              |  |     |     |     |                                   |  |     |     |     |   |  |     |       |     |  |  |     |       |     |   |  |     |   |     |   |  |     |    |     |   |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                                    |  |  |  |  |  |                      |  |  |  |  |  |  |  |
| 098   | 130                   | 098   | 130 Processing fee, except in provisional applications                        |          |  |                         |  |          |                       |                       |                 |          |     |     |     |  |  |     |    |     |   |  |     |     |     |                               |  |     |       |     |                                    |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |     |     |  |  |     |    |     |  |  |     |     |     |   |  |     |     |     |  |  |     |     |     |                               |  |     |       |     |  |  |     |       |     |  |  |     |     |     |                         |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |       |     |   |  |     |       |     |  |  |     |     |     |                      |  |     |     |     |  |  |     |     |     |                              |  |     |     |     |                                   |  |     |     |     |   |  |     |       |     |  |  |     |       |     |   |  |     |   |     |   |  |     |    |     |   |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                                    |  |  |  |  |  |                      |  |  |  |  |  |  |  |
| 126   | 180                   | 126   | 180 Submission of Information Disclosure Statement                            |          |  |                         |  |          |                       |                       |                 |          |     |     |     |  |  |     |    |     |   |  |     |     |     |                               |  |     |       |     |                                    |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |     |     |  |  |     |    |     |  |  |     |     |     |   |  |     |     |     |  |  |     |     |     |                               |  |     |       |     |  |  |     |       |     |  |  |     |     |     |                         |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |       |     |   |  |     |       |     |  |  |     |     |     |                      |  |     |     |     |  |  |     |     |     |                              |  |     |     |     |                                   |  |     |     |     |   |  |     |       |     |  |  |     |       |     |   |  |     |   |     |   |  |     |    |     |   |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                                    |  |  |  |  |  |                      |  |  |  |  |  |  |  |
| 123   | 50                    | 123   | 50 Processing fee for provisional applications                                |          |  |                         |  |          |                       |                       |                 |          |     |     |     |  |  |     |    |     |   |  |     |     |     |                               |  |     |       |     |                                    |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |     |     |  |  |     |    |     |  |  |     |     |     |   |  |     |     |     |  |  |     |     |     |                               |  |     |       |     |  |  |     |       |     |  |  |     |     |     |                         |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |       |     |   |  |     |       |     |  |  |     |     |     |                      |  |     |     |     |  |  |     |     |     |                              |  |     |     |     |                                   |  |     |     |     |   |  |     |       |     |  |  |     |       |     |   |  |     |   |     |   |  |     |    |     |   |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                                    |  |  |  |  |  |                      |  |  |  |  |  |  |  |
| 146   | 740                   | 246   | 370 Filing a submission after final rejection (37 CFR 1.129(a))               |          |  |                         |  |          |                       |                       |                 |          |     |     |     |  |  |     |    |     |   |  |     |     |     |                               |  |     |       |     |                                    |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |     |     |  |  |     |    |     |  |  |     |     |     |   |  |     |     |     |  |  |     |     |     |                               |  |     |       |     |  |  |     |       |     |  |  |     |     |     |                         |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |       |     |   |  |     |       |     |  |  |     |     |     |                      |  |     |     |     |  |  |     |     |     |                              |  |     |     |     |                                   |  |     |     |     |   |  |     |       |     |  |  |     |       |     |   |  |     |   |     |   |  |     |    |     |   |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                                    |  |  |  |  |  |                      |  |  |  |  |  |  |  |
| 149   | 740                   | 249   | 370 For each additional invention to be examined (37 CFR 1.129(b))            |          |  |                         |  |          |                       |                       |                 |          |     |     |     |  |  |     |    |     |   |  |     |     |     |                               |  |     |       |     |                                    |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |     |     |  |  |     |    |     |  |  |     |     |     |   |  |     |     |     |  |  |     |     |     |                               |  |     |       |     |  |  |     |       |     |  |  |     |     |     |                         |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |       |     |   |  |     |       |     |  |  |     |     |     |                      |  |     |     |     |  |  |     |     |     |                              |  |     |     |     |                                   |  |     |     |     |   |  |     |       |     |  |  |     |       |     |   |  |     |   |     |   |  |     |    |     |   |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                                    |  |  |  |  |  |                      |  |  |  |  |  |  |  |
| 145   | 100                   | 145   | 100 Certificate of correction   |          |  |                         |  |          |                       |                       |                 |          |     |     |     |  |  |     |    |     |   |  |     |     |     |                               |  |     |       |     |                                    |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |     |     |  |  |     |    |     |  |  |     |     |     |   |  |     |     |     |  |  |     |     |     |                               |  |     |       |     |  |  |     |       |     |  |  |     |     |     |                         |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |       |     |   |  |     |       |     |  |  |     |     |     |                      |  |     |     |     |  |  |     |     |     |                              |  |     |     |     |                                   |  |     |     |     |   |  |     |       |     |  |  |     |       |     |   |  |     |   |     |   |  |     |    |     |   |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                                    |  |  |  |  |  |                      |  |  |  |  |  |  |  |
| 147   | 2,520                 | 147   | 2,520 Request for ex parte reexamination                                      |          |  |                         |  |          |                       |                       |                 |          |     |     |     |  |  |     |    |     |   |  |     |     |     |                               |  |     |       |     |                                    |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |     |     |  |  |     |    |     |  |  |     |     |     |   |  |     |     |     |  |  |     |     |     |                               |  |     |       |     |  |  |     |       |     |  |  |     |     |     |                         |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |       |     |   |  |     |       |     |  |  |     |     |     |                      |  |     |     |     |  |  |     |     |     |                              |  |     |     |     |                                   |  |     |     |     |   |  |     |       |     |  |  |     |       |     |   |  |     |   |     |   |  |     |    |     |   |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                                    |  |  |  |  |  |                      |  |  |  |  |  |  |  |
| 099   | 8,800                 | 099   | 8,800 Request for inter partes reexamination                                  |          |  |                         |  |          |                       |                       |                 |          |     |     |     |  |  |     |    |     |   |  |     |     |     |                               |  |     |       |     |                                    |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |     |     |  |  |     |    |     |  |  |     |     |     |   |  |     |     |     |  |  |     |     |     |                               |  |     |       |     |  |  |     |       |     |  |  |     |     |     |                         |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |       |     |   |  |     |       |     |  |  |     |     |     |                      |  |     |     |     |  |  |     |     |     |                              |  |     |     |     |                                   |  |     |     |     |   |  |     |       |     |  |  |     |       |     |   |  |     |   |     |   |  |     |    |     |   |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                                    |  |  |  |  |  |                      |  |  |  |  |  |  |  |
| 148   | 110                   | 248   | 55 Statutory disclaimer   |          |  |                         |  |          |                       |                       |                 |          |     |     |     |  |  |     |    |     |   |  |     |     |     |                               |  |     |       |     |                                    |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |     |     |  |  |     |    |     |  |  |     |     |     |   |  |     |     |     |  |  |     |     |     |                               |  |     |       |     |  |  |     |       |     |  |  |     |     |     |                         |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |       |     |   |  |     |       |     |  |  |     |     |     |                      |  |     |     |     |  |  |     |     |     |                              |  |     |     |     |                                   |  |     |     |     |   |  |     |       |     |  |  |     |       |     |   |  |     |   |     |   |  |     |    |     |   |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                                    |  |  |  |  |  |                      |  |  |  |  |  |  |  |
| 115   | 110                   | 215   | 55 Extension for reply within first month                                     |          |  |                         |  |          |                       |                       |                 |          |     |     |     |  |  |     |    |     |   |  |     |     |     |                               |  |     |       |     |                                    |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |     |     |  |  |     |    |     |  |  |     |     |     |   |  |     |     |     |  |  |     |     |     |                               |  |     |       |     |  |  |     |       |     |  |  |     |     |     |                         |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |       |     |   |  |     |       |     |  |  |     |     |     |                      |  |     |     |     |  |  |     |     |     |                              |  |     |     |     |                                   |  |     |     |     |   |  |     |       |     |  |  |     |       |     |   |  |     |   |     |   |  |     |    |     |   |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                                    |  |  |  |  |  |                      |  |  |  |  |  |  |  |
| 116   | 400                   | 216   | 200 Extension for reply within second month                                   |          |  |                         |  |          |                       |                       |                 |          |     |     |     |  |  |     |    |     |   |  |     |     |     |                               |  |     |       |     |                                    |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |     |     |  |  |     |    |     |  |  |     |     |     |   |  |     |     |     |  |  |     |     |     |                               |  |     |       |     |  |  |     |       |     |  |  |     |     |     |                         |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |       |     |   |  |     |       |     |  |  |     |     |     |                      |  |     |     |     |  |  |     |     |     |                              |  |     |     |     |                                   |  |     |     |     |   |  |     |       |     |  |  |     |       |     |   |  |     |   |     |   |  |     |    |     |   |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                                    |  |  |  |  |  |                      |  |  |  |  |  |  |  |
| 117   | 920                   | 217   | 460 Extension for reply within third month                                    |          |  |                         |  |          |                       |                       |                 |          |     |     |     |  |  |     |    |     |   |  |     |     |     |                               |  |     |       |     |                                    |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |     |     |  |  |     |    |     |  |  |     |     |     |   |  |     |     |     |  |  |     |     |     |                               |  |     |       |     |  |  |     |       |     |  |  |     |     |     |                         |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |       |     |   |  |     |       |     |  |  |     |     |     |                      |  |     |     |     |  |  |     |     |     |                              |  |     |     |     |                                   |  |     |     |     |   |  |     |       |     |  |  |     |       |     |   |  |     |   |     |   |  |     |    |     |   |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                                    |  |  |  |  |  |                      |  |  |  |  |  |  |  |
| 118   | 1,440                 | 218   | 720 Extension for reply within fourth month                                   |          |  |                         |  |          |                       |                       |                 |          |     |     |     |  |  |     |    |     |   |  |     |     |     |                               |  |     |       |     |                                    |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |     |     |  |  |     |    |     |  |  |     |     |     |   |  |     |     |     |  |  |     |     |     |                               |  |     |       |     |  |  |     |       |     |  |  |     |     |     |                         |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |       |     |   |  |     |       |     |  |  |     |     |     |                      |  |     |     |     |  |  |     |     |     |                              |  |     |     |     |                                   |  |     |     |     |   |  |     |       |     |  |  |     |       |     |   |  |     |   |     |   |  |     |    |     |   |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                                    |  |  |  |  |  |                      |  |  |  |  |  |  |  |
| 128   | 1,960                 | 228   | 980 Extension for reply within fifth month                                    |          |  |                         |  |          |                       |                       |                 |          |     |     |     |  |  |     |    |     |   |  |     |     |     |                               |  |     |       |     |                                    |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |     |     |  |  |     |    |     |  |  |     |     |     |   |  |     |     |     |  |  |     |     |     |                               |  |     |       |     |  |  |     |       |     |  |  |     |     |     |                         |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |       |     |   |  |     |       |     |  |  |     |     |     |                      |  |     |     |     |  |  |     |     |     |                              |  |     |     |     |                                   |  |     |     |     |   |  |     |       |     |  |  |     |       |     |   |  |     |   |     |   |  |     |    |     |   |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                                    |  |  |  |  |  |                      |  |  |  |  |  |  |  |
| 119   | 320                   | 219   | 160 Notice of appeal  |          |  |                         |  |          |                       |                       |                 |          |     |     |     |  |  |     |    |     |   |  |     |     |     |                               |  |     |       |     |                                    |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |     |     |  |  |     |    |     |  |  |     |     |     |   |  |     |     |     |  |  |     |     |     |                               |  |     |       |     |  |  |     |       |     |  |  |     |     |     |                         |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |       |     |   |  |     |       |     |  |  |     |     |     |                      |  |     |     |     |  |  |     |     |     |                              |  |     |     |     |                                   |  |     |     |     |   |  |     |       |     |  |  |     |       |     |   |  |     |   |     |   |  |     |    |     |   |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                                    |  |  |  |  |  |                      |  |  |  |  |  |  |  |
| 120   | 320                   | 220   | 160 Filing a brief in support of an appeal                                    |          |  |                         |  |          |                       |                       |                 |          |     |     |     |  |  |     |    |     |   |  |     |     |     |                               |  |     |       |     |                                    |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |     |     |  |  |     |    |     |  |  |     |     |     |   |  |     |     |     |  |  |     |     |     |                               |  |     |       |     |  |  |     |       |     |  |  |     |     |     |                         |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |       |     |   |  |     |       |     |  |  |     |     |     |                      |  |     |     |     |  |  |     |     |     |                              |  |     |     |     |                                   |  |     |     |     |   |  |     |       |     |  |  |     |       |     |   |  |     |   |     |   |  |     |    |     |   |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                                    |  |  |  |  |  |                      |  |  |  |  |  |  |  |
| 121   | 280                   | 221   | 140 Request for oral hearing  |          |  |                         |  |          |                       |                       |                 |          |     |     |     |  |  |     |    |     |   |  |     |     |     |                               |  |     |       |     |                                    |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |     |     |  |  |     |    |     |  |  |     |     |     |   |  |     |     |     |  |  |     |     |     |                               |  |     |       |     |  |  |     |       |     |  |  |     |     |     |                         |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |       |     |   |  |     |       |     |  |  |     |     |     |                      |  |     |     |     |  |  |     |     |     |                              |  |     |     |     |                                   |  |     |     |     |   |  |     |       |     |  |  |     |       |     |   |  |     |   |     |   |  |     |    |     |   |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                                    |  |  |  |  |  |                      |  |  |  |  |  |  |  |
| 122   | 130                   | 122   | 130 Petitions to the Commissioner   |          |  |                         |  |          |                       |                       |                 |          |     |     |     |  |  |     |    |     |   |  |     |     |     |                               |  |     |       |     |                                    |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |     |     |  |  |     |    |     |  |  |     |     |     |   |  |     |     |     |  |  |     |     |     |                               |  |     |       |     |  |  |     |       |     |  |  |     |     |     |                         |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |       |     |   |  |     |       |     |  |  |     |     |     |                      |  |     |     |     |  |  |     |     |     |                              |  |     |     |     |                                   |  |     |     |     |   |  |     |       |     |  |  |     |       |     |   |  |     |   |     |   |  |     |    |     |   |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                                    |  |  |  |  |  |                      |  |  |  |  |  |  |  |
| 140   | 110                   | 240   | 55 Petition to revive unavoidably abandoned application                       |          |  |                         |  |          |                       |                       |                 |          |     |     |     |  |  |     |    |     |   |  |     |     |     |                               |  |     |       |     |                                    |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |     |     |  |  |     |    |     |  |  |     |     |     |   |  |     |     |     |  |  |     |     |     |                               |  |     |       |     |  |  |     |       |     |  |  |     |     |     |                         |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |       |     |   |  |     |       |     |  |  |     |     |     |                      |  |     |     |     |  |  |     |     |     |                              |  |     |     |     |                                   |  |     |     |     |   |  |     |       |     |  |  |     |       |     |   |  |     |   |     |   |  |     |    |     |   |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                                    |  |  |  |  |  |                      |  |  |  |  |  |  |  |
| 141   | 1,280                 | 241   | 640 Petition to revive unintentionally abandoned application                  |          |  |                         |  |          |                       |                       |                 |          |     |     |     |  |  |     |    |     |   |  |     |     |     |                               |  |     |       |     |                                    |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |     |     |  |  |     |    |     |  |  |     |     |     |   |  |     |     |     |  |  |     |     |     |                               |  |     |       |     |  |  |     |       |     |  |  |     |     |     |                         |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |       |     |   |  |     |       |     |  |  |     |     |     |                      |  |     |     |     |  |  |     |     |     |                              |  |     |     |     |                                   |  |     |     |     |   |  |     |       |     |  |  |     |       |     |   |  |     |   |     |   |  |     |    |     |   |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                                    |  |  |  |  |  |                      |  |  |  |  |  |  |  |
| 091   | 1,280                 | 091   | 1,280 Acceptance of an unintentionally delayed claim for priority             |          |  |                         |  |          |                       |                       |                 |          |     |     |     |  |  |     |    |     |   |  |     |     |     |                               |  |     |       |     |                                    |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |     |     |  |  |     |    |     |  |  |     |     |     |   |  |     |     |     |  |  |     |     |     |                               |  |     |       |     |  |  |     |       |     |  |  |     |     |     |                         |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |       |     |   |  |     |       |     |  |  |     |     |     |                      |  |     |     |     |  |  |     |     |     |                              |  |     |     |     |                                   |  |     |     |     |   |  |     |       |     |  |  |     |       |     |   |  |     |   |     |   |  |     |    |     |   |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                                    |  |  |  |  |  |                      |  |  |  |  |  |  |  |
| 561   | 3                     | 561   | 3 Printed copy of patent, regular service                                     |          |  |                         |  |          |                       |                       |                 |          |     |     |     |  |  |     |    |     |   |  |     |     |     |                               |  |     |       |     |                                    |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |     |     |  |  |     |    |     |  |  |     |     |     |   |  |     |     |     |  |  |     |     |     |                               |  |     |       |     |  |  |     |       |     |  |  |     |     |     |                         |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |       |     |   |  |     |       |     |  |  |     |     |     |                      |  |     |     |     |  |  |     |     |     |                              |  |     |     |     |                                   |  |     |     |     |   |  |     |       |     |  |  |     |       |     |   |  |     |   |     |   |  |     |    |     |   |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                                    |  |  |  |  |  |                      |  |  |  |  |  |  |  |
| 581   | 40                    | 481   | 40 Recording each patent assignment per property (times number of properties) |          |  |                         |  |          |                       |                       |                 |          |     |     |     |  |  |     |    |     |   |  |     |     |     |                               |  |     |       |     |                                    |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |     |     |  |  |     |    |     |  |  |     |     |     |   |  |     |     |     |  |  |     |     |     |                               |  |     |       |     |  |  |     |       |     |  |  |     |     |     |                         |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |       |     |   |  |     |       |     |  |  |     |     |     |                      |  |     |     |     |  |  |     |     |     |                              |  |     |     |     |                                   |  |     |     |     |   |  |     |       |     |  |  |     |       |     |   |  |     |   |     |   |  |     |    |     |   |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                                    |  |  |  |  |  |                      |  |  |  |  |  |  |  |
| Other fee (specify):  |                       |   |   |          |  |                         |  |          |                       |                       |                 |          |     |     |     |  |  |     |    |     |   |  |     |     |     |                               |  |     |       |     |                                    |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |     |     |  |  |     |    |     |  |  |     |     |     |   |  |     |     |     |  |  |     |     |     |                               |  |     |       |     |  |  |     |       |     |  |  |     |     |     |                         |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |       |     |   |  |     |       |     |  |  |     |     |     |                      |  |     |     |     |  |  |     |     |     |                              |  |     |     |     |                                   |  |     |     |     |   |  |     |       |     |  |  |     |       |     |   |  |     |   |     |   |  |     |    |     |   |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                                    |  |  |  |  |  |                      |  |  |  |  |  |  |  |
| Other fee (specify):  |                       |   |   |          |  |                         |  |          |                       |                       |                 |          |     |     |     |  |  |     |    |     |   |  |     |     |     |                               |  |     |       |     |                                    |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |     |     |  |  |     |    |     |  |  |     |     |     |   |  |     |     |     |  |  |     |     |     |                               |  |     |       |     |  |  |     |       |     |  |  |     |     |     |                         |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |       |     |   |  |     |       |     |  |  |     |     |     |                      |  |     |     |     |  |  |     |     |     |                              |  |     |     |     |                                   |  |     |     |     |   |  |     |       |     |  |  |     |       |     |   |  |     |   |     |   |  |     |    |     |   |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                                    |  |  |  |  |  |                      |  |  |  |  |  |  |  |
| Other fee (specify):  |                       |   |   |          |  |                         |  |          |                       |                       |                 |          |     |     |     |  |  |     |    |     |   |  |     |     |     |                               |  |     |       |     |                                    |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |     |     |  |  |     |    |     |  |  |     |     |     |   |  |     |     |     |  |  |     |     |     |                               |  |     |       |     |  |  |     |       |     |  |  |     |     |     |                         |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |       |     |   |  |     |       |     |  |  |     |     |     |                      |  |     |     |     |  |  |     |     |     |                              |  |     |     |     |                                   |  |     |     |     |   |  |     |       |     |  |  |     |       |     |   |  |     |   |     |   |  |     |    |     |   |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                                    |  |  |  |  |  |                      |  |  |  |  |  |  |  |
| * Reduced by Basic Filing Fee Paid  |                       |   |   |          |  | SUBTOTAL (3) \$ 0.00    |  |          |                       |                       |                 |          |     |     |     |  |  |     |    |     |   |  |     |     |     |                               |  |     |       |     |                                    |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |     |     |  |  |     |    |     |  |  |     |     |     |   |  |     |     |     |  |  |     |     |     |                               |  |     |       |     |  |  |     |       |     |  |  |     |     |     |                         |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |       |     |   |  |     |       |     |  |  |     |     |     |                      |  |     |     |     |  |  |     |     |     |                              |  |     |     |     |                                   |  |     |     |     |   |  |     |       |     |  |  |     |       |     |   |  |     |   |     |   |  |     |    |     |   |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                                    |  |  |  |  |  |                      |  |  |  |  |  |  |  |
| * or number previously paid, if greater. For Reissues, see above  |                       |   |   |          |  |                         |  |          |                       |                       |                 |          |     |     |     |  |  |     |    |     |   |  |     |     |     |                               |  |     |       |     |                                    |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |     |     |  |  |     |    |     |  |  |     |     |     |   |  |     |     |     |  |  |     |     |     |                               |  |     |       |     |  |  |     |       |     |  |  |     |     |     |                         |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |       |     |   |  |     |       |     |  |  |     |     |     |                      |  |     |     |     |  |  |     |     |     |                              |  |     |     |     |                                   |  |     |     |     |   |  |     |       |     |  |  |     |       |     |   |  |     |   |     |   |  |     |    |     |   |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                                    |  |  |  |  |  |                      |  |  |  |  |  |  |  |
|   |                       | Complete (if applicable)  |   |          |  |                         |  |          |                       |                       |                 |          |     |     |     |  |  |     |    |     |   |  |     |     |     |                               |  |     |       |     |                                    |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |     |     |  |  |     |    |     |  |  |     |     |     |   |  |     |     |     |  |  |     |     |     |                               |  |     |       |     |  |  |     |       |     |  |  |     |     |     |                         |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |       |     |   |  |     |       |     |  |  |     |     |     |                      |  |     |     |     |  |  |     |     |     |                              |  |     |     |     |                                   |  |     |     |     |   |  |     |       |     |  |  |     |       |     |   |  |     |   |     |   |  |     |    |     |   |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                                    |  |  |  |  |  |                      |  |  |  |  |  |  |  |
| Submitted By<br>Name (Print/Type) Janet M. Martineau  |                       | Registration No.: 46,903  |   |          |  | Telephone 301-315-2723  |  |          |                       |                       |                 |          |     |     |     |  |  |     |    |     |   |  |     |     |     |                               |  |     |       |     |                                    |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |     |     |  |  |     |    |     |  |  |     |     |     |   |  |     |     |     |  |  |     |     |     |                               |  |     |       |     |  |  |     |       |     |  |  |     |     |     |                         |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |       |     |   |  |     |       |     |  |  |     |     |     |                      |  |     |     |     |  |  |     |     |     |                              |  |     |     |     |                                   |  |     |     |     |   |  |     |       |     |  |  |     |       |     |   |  |     |   |     |   |  |     |    |     |   |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                                    |  |  |  |  |  |                      |  |  |  |  |  |  |  |
| Signature:   |                       |   |   |          |  | Date: February 11, 2002 |  |          |                       |                       |                 |          |     |     |     |  |  |     |    |     |   |  |     |     |     |                               |  |     |       |     |                                    |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |     |     |  |  |     |    |     |  |  |     |     |     |   |  |     |     |     |  |  |     |     |     |                               |  |     |       |     |  |  |     |       |     |  |  |     |     |     |                         |  |     |     |     |   |  |     |     |     |   |  |     |     |     |  |  |     |       |     |   |  |     |       |     |  |  |     |     |     |                      |  |     |     |     |  |  |     |     |     |                              |  |     |     |     |                                   |  |     |     |     |   |  |     |       |     |  |  |     |       |     |   |  |     |   |     |   |  |     |    |     |   |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                      |  |  |  |  |  |                                    |  |  |  |  |  |                      |  |  |  |  |  |  |  |

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of: YOUNG et al.

Application Serial No.: Unassigned

Art Unit: Unassigned

Filed: Herewith

Examiner: Unassigned

For: PGRP-L Polynucleotides, Polypeptides,  
And Antibodies

Attorney Docket No.: PF513P1

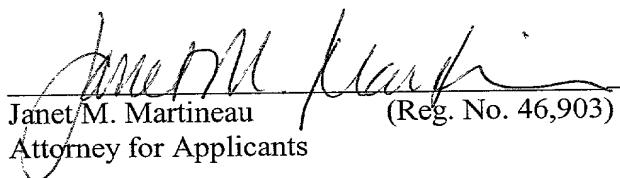
**STATEMENT UNDER 37 C.F.R. 1.821(f)**

Commissioner For Patents  
Washington, D.C. 20231

Sir:

Pursuant to 37 C.F.R. § 1.821(f), Applicants hereby certify that the sequence listing information recorded in computer readable form and submitted herewith is identical to the written (on paper) Sequence Listing submitted herewith.

Respectfully submitted,

Dated: February 11, 2002  
  
Janet M. Martineau (Reg. No. 46,903)  
Attorney for Applicants

**Human Genome Sciences, Inc.**  
9410 Key West Avenue  
Rockville, Maryland 20850  
Telephone: 301-315-2723

Enclosures  
JMM/BM/lcc